

Title (en)

LIGHTING DEVICE AND METHOD FOR MANUFACTURING SAID LIGHTING DEVICE

Title (de)

BELEUCHTUNGSVORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG DIESER BELEUCHTUNGSVORRICHTUNG

Title (fr)

DISPOSITIF D'ÉCLAIRAGE ET PROCÉDÉ DE FABRICATION DUDIT DISPOSITIF D'ÉCLAIRAGE

Publication

**EP 3587914 A1 20200101 (EN)**

Application

**EP 18382475 A 20180626**

Priority

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Abstract (en)

The lighting device (1) comprises a light guide (2) comprising two or more layers (21, 22, 25); and a light source (3) that illuminates said light guide (2), wherein said two or more layers (21, 22, 25) define at least one surface (23, 26) between two adjacent layers (21, 22, 25), geometric motives (24) being formed in said at least one surface (23, 26). The method for manufacturing said lighting device comprises the following steps: providing one layer (21); forming geometric motives (24) in said one layer (21); providing another layer (22) injected directly to the geometric motives (24) defining a surface (23) between said layers (21, 22). It provides a better homogenous illuminance and a better photometric performance.

IPC 8 full level

**F21V 8/00** (2006.01); **F21S 43/239** (2018.01)

CPC (source: EP US)

**F21S 43/14** (2017.12 - EP); **F21S 43/239** (2017.12 - EP); **F21S 43/245** (2017.12 - EP); **F21S 43/50** (2017.12 - EP); **G02B 6/0055** (2013.01 - US); **G02B 6/006** (2013.01 - EP); **G02B 6/0065** (2013.01 - US); **G02B 6/0073** (2013.01 - US); **G02B 6/0076** (2013.01 - EP); **G02B 6/3668** (2013.01 - US); **F21K 9/237** (2016.07 - US)

Citation (applicant)

US 2017097135 A1 20170406 - FRITZ DANIEL [DE], et al

Citation (search report)

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- [XI] US 2016377798 A1 20161229 - DHAR BAL MUKUND [US]
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Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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DOCDB simple family (application)

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